

COLLAPSIBLE BICYCLE CASE

ABSTRACT: A lightweight bicycle transport case that has components which join to a central frame structure and then join together to form a complete bicycle case. The preferred embodiment and an additional embodiment of the central frame structure can be easily transported while riding a bicycle. The major components of the bicycle case consist of panel assemblies 34, a top cover 76, a front bracket 54, a rear bracket 56, and caster assemblies 60. The panel assemblies 34 each consist of four panels joined by hinges. The panel assemblies can be reconfigured from their open bicycle case position to their closed compact position which is easy to transport. The top cover 76 joins the opened panel assemblies 34 together into a complete bicycle case. The front bracket 54 and the rear bracket 56 provide an adjustable mounting interface between the central frame structure and the bicycle. Caster assemblies 60 provide the rolling mechanisms that allow for the bicycle case to be easily manually transported.